P802.3by Draft Editorial Considerations

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P802.3by 25 Gb/s Ethernet Task Force
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Introduction

- Propose a tentative structure for the new amendment.

New Clauses/Annexes

Clause	Changes
Front matter	Title page, etc.
X	Introduction to 25 Gb/s networks
X+1	25G RS + XXVMII
X+2	25G PCS ***
X+3	25G FEC
X+4	25G PMA
X+5	25GBASE-CR PMD (copper cable)
X+6	25GBASE-KR PMD (backplane)
X+7	25GBASE-SR PMD (MMF optical)
Annex (X+4)A	XXVAUI chip-to-chip
Annex (X+4)B	XXVAUI chip-to-module
Annex (X+5)A	25GBASE-CR TP parameters and channel characteristics
Annex (X+5)B	25GBASE-CR cable/host use cases
Annex (X+5)C	25GBASE-CR and XXVAUI C2M test fixtures and form factors *** tentative ***

Amended Clauses/Annexes

Clause	Changes	Changes
1	Introduction	New def., abbr., etc.
4	MAC	Add 25G support.
30	Management	New objects.
45	MDIO	New registers/fields.
69	Introduction to … backplanes	Add 25G support.
73	AN for backplane and … cable assembly	Add 25G support, no FEC, alt. host.
74	BASE-R FEC	Add 25G support, if req'd.
78	EEE	Add 25G support
AN31B	MAC Pause operation	Add 25G support
AN93A	Specs. for Electrical Channels (COM)	Add 25GBASE-CR/KR references.

Clause Editors

Editors	Clauses
Matt Brown	Front matter, Introduction (1), Backplane introduction (69) 25G introduction (X), PMA (X+4), XXVAUI ([X+4]A, [X+4]B)
Arthur Marris	MAC (4, 4A), Management Objects (30), MAC control (31B), MDIO (45), AN (73), BASE-R FEC (74) RS/XXVGMII (X+1), PCS (X+2)
Adee Ran	25GBASE-CR PMD (X+3), 25GBASE-KR PMD (X+5), RS FEC (X+6)
Chris Diminico	25GBASE-CR PMD cable assembly, test fixtures, and form factors (X+5 and related annexes)
Jonathan King	25GBASE-SR PMD

Thanks!